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please call

1-800-Belden1



### General Description:

Video Cable, Plenum-CMP, sub-miniature RG59, 23 AWG solid bare copper, foam FEP insulation, Duofoil®+85% tinned copper braid, Flamarrest® jacket

### Usage (Overall)

Suitable Applications: Commercial Video

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	23	Solid	BC - Bare Copper	0.023

Total Number of Conductors: 1

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FEP - Foam Florinated Ethylene Propylene	0.102

#### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duobond® II	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	TC - Tinned Copper	85.000

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.160 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 19 lbs/1000 ft.

Max. Recommended Pulling Tension: 36 lbs.

Min. Bend Radius/Minor Axis: 1.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 11/21/2011

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

## 1371P Coax - System Integrators Video Cable

MII Order #39 (China RoHS):	Yes
RG Type:	Sub-miniature 59/U
<b>Flame Test</b>	
UL Flame Test:	UL910 Steiner Tunnel
C(UL) Flame Test:	FT6
CSA Flame Test:	FT6
<b>Suitability</b>	
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
<b>Plenum/Non-Plenum</b>	
Plenum (Y/N):	Yes
Non-Plenum Number:	1371R

### Electrical Characteristics (Overall)

**Nom. Characteristic Impedance:**

Impedance (Ohm)

75

**Nom. Inductance:**

Inductance (µH/ft)

0.106

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)

16.600

**Nominal Velocity of Propagation:**

VP (%)

80.000

**Nominal Delay:**

Delay (ns/ft)

1.270

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

20.100

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

4.600

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.380
3.600	0.760
10.000	1.300
71.500	3.100
135.000	4.100
270.000	5.800
360.000	6.900
540.000	8.700
720.000	10.300
750.000	10.500
1000.000	12.400
1500.000	15.700
2250.000	19.900
3000.000	23.800

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Other Electrical Characteristic 1:**

Impedance tested in accordance with ASTM D-4566 paragraph 45.2, option 2 using a 75 Ohm fixed bridge and termination. 75 +/- 1.5 Ohms

**Other Electrical Characteristic 2:**

Return loss tested in accordance with ASTM D-4566 paragraph 50.3 using a 75 Ohm fixed bridge and termination.

**Minimum Return Loss:**

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	3000.000	15.000

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1371P N3U1000	1,000 FT	20.000 LB	GREEN, MIL		#23 FFEP SH FLRST
1371P N3U500	500 FT	10.500 LB	GREEN, MIL		#23 FFEP SH FLRST
1371P 0011000	1,000 FT	20.000 LB	BROWN		#23 FFEP SH FLRST
1371P 001500	500 FT	10.500 LB	BROWN		#23 FFEP SH FLRST
1371P 0021000	1,000 FT	20.000 LB	RED		#23 FFEP SH FLRST
1371P 002500	500 FT	10.500 LB	RED		#23 FFEP SH FLRST
1371P 0031000	1,000 FT	20.000 LB	ORANGE		#23 FFEP SH FLRST
1371P 003500	500 FT	10.500 LB	ORANGE		#23 FFEP SH FLRST
1371P 0041000	1,000 FT	20.000 LB	YELLOW		#23 FFEP SH FLRST
1371P 004500	500 FT	10.500 LB	YELLOW		#23 FFEP SH FLRST
1371P 0061000	1,000 FT	20.000 LB	BLUE, LIGHT		#23 FFEP SH FLRST
1371P 006500	500 FT	10.500 LB	BLUE, LIGHT		#23 FFEP SH FLRST
1371P 0071000	1,000 FT	20.000 LB	VIOLET		#23 FFEP SH FLRST
1371P 007500	500 FT	10.500 LB	VIOLET		#23 FFEP SH FLRST
1371P 0081000	1,000 FT	20.000 LB	GRAY		#23 FFEP SH FLRST
1371P 008500	500 FT	10.500 LB	GRAY		#23 FFEP SH FLRST
1371P 0091000	1,000 FT	20.000 LB	WHITE		#23 FFEP SH FLRST
1371P 009500	500 FT	10.500 LB	WHITE		#23 FFEP SH FLRST
1371P 0101000	1,000 FT	20.000 LB	BLACK		#23 FFEP SH FLRST
1371P 010500	500 FT	10.500 LB	BLACK		#23 FFEP SH FLRST

Revision Number: 2    Revision Date: 03-11-2013

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